

To: jjackson, mkarolyi, egarske, steger cc: rnagam, Thomas Krueger
Subject: COMMENTS ON SITE INVESTIGATION REPORT

**RE: OPERABLE UNIT 01 - SITE/SPILL ID# B5H7
FANSTEEL, INC.
One Tantalum Place
North Chicago, Lake County, Illinois**

Vulcan Louisville Smelting Company (aka The Vacant Lot)
CERCLIS ID # ILD097271563

Here are my comments (John O'Grady's) on the draft Site Investigation Plan submitted by Carlson Environmental on behalf of Fansteel, Inc.

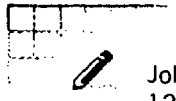
Thanks!

If you have any questions, please contact me at your earliest convenience.

John J. O'Grady
Remedial Project Manager
Superfund Division (SR-6J)
U.S. EPA Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Telephone: (312) 886-1477
Facsimile: (312) 886-4071
E-Mail: ogrady.johnj@epa.gov

----- Forwarded by JohnJ OGrady/R5/USEPA/US on 12/21/2000 04:25 PM -----



JohnJ OGrady
12/12/2000 03:01 PM

To: rnagam

Raghu,

Here are my comments. Can we get the comments out by no later than Thursday, December 21st?

Please let me know.


COMMENT

EPA Region 5 Records Ctr.



229941

OPERABLE UNIT 01 - SITE/SPILL ID# B5H7
FANSTEEL, INC.
One Tantalum Place
North Chicago, Lake County, Illinois

Vulcan Louisville Smelting Company (a.k.a. The Vacant Lot)
CERCLIS ID # ILD097271563

Comments on the Draft Site Investigation Report, dated November 3, 2000; Prepared by Carlson Environmental, Inc., for Fansteel, Inc.

1. **Page 1-1, Executive Summary, Third Paragraph:** Sentence that reads, "CEI recommends that Fansteel conduct an exposure route...."

Please add lead to the requirement or recommendation to establish a site-specific remediation objective. It is noted that total lead in soil results ranged from 5.5 ppm to 23,000 ppm. The U.S. EPA also notes that a typical range for a lead in soil cleanup level would be between 750 ppm and 1250 ppm.

2. **Page 5-3, Section 5.3, Soil Sampling Procedures, Paragraph 6:** What does the sentence mean or indicate that states, "CEI notes, on indication of significant effervescence was observed...."
3. **Page 6-3, Section 6.4, Ground Water Results, Second Paragraph:** "Lead was...detected at concentrations above the groundwater remediation objective in the remaining six groundwater samples." Were low flow sampling techniques used? Were these detections a result of sediments in the samples?
4. **Page 7-2, Section 7.6, VOCs in Soil:** Please note that TCE was detected at free product levels in locations coinciding with the former RCRA storage unit. These detections exceeded the soil saturation limit.
5. **Page 7-3, Section 7.7, VOCs in Ground Water:** Additional investigation is necessary in order to determine the extent of the groundwater plume, and whether or not the TCE that was detected during the Vacant Lot EE/CA was due to the Fansteel contamination or another unrelated source.